586

SECOND SUPPLEMENT TO THE

MYSORE GAZETTE.

No. 30 Published by Authority. of 1880.

BANGALORE, SATURDAY, JULY 31, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 24th July 1880.

Bangalore District.—One inch 27 cents of rain at Bangalore. Crops in good condition. Prospects favorable. Public health generally good, but fever prevalent in some parts of the District. Prices stationary.

Kolar District.—One inch 10 cents of rain at Kolar. The rain which fell during the week saved the young dry crops for the present. More rain needed. Prospects still uncertain. The tanks are yet quite empty and the season for sowing paddy for the Kartika crop is fast closing. Fever and murrain still prevalent. Prices stationary.

Túmkúr District.—Seventy-three cents of rain at Túmkúr. Want of rain much felt in the Sira and Maddagiri Taluks, and the young crops are not in good condition. There has been no sowing as yet in several parts of the District. Prospects not bad. Public health good.

Mysore District.—One and half cents of rain at Mysore. Standing crops thriving. Prospects of season and public health good. Prices stationary.

Hassan District.—Eighty-five cents of rain at Hassan. Crops in good condition, except in the Channaraypatna, Nagamangala and Haranhalli Taluks, where they are in a backward state from want of rain. Prospects of season and public health good. Ague and fever prevalent in the Hassan and Nagamangala Taluks, and small-pox in the latter Taluk. Dod roga abating in the District, except in the Channaraypatna Taluk, where it is on the increase. Prices stationary.

Shimoga District.—One inch 14 cents of rain at Shimoga. Standing crops in good condition. Sowing of dry crops still continues. Arecanut crops suffer from rot in the Taluks of Ságar and Kavaledurga. Prospects good. Health fair; malarial fevers and lung affections prevalent. Murrain abating. Prices stationary.

Kadur District.—Eighty-eight cents of rain at Chikmagalur. Crops in good condition. Prospects of season and public health good. Fever and cattle disease prevalent in parts of the Tarikere Taluk. Prices stationary.

Chitaldroog District.—Sixteen cents of rain at Chitaldroog. Young crops in good condition. Sowing continued. Prospects of season fair. Public health good. Price of rice stationary; that of ragi fallen.

Coorg.—Rain-fall 10 inches 92 cents. Transplanting of rice continues. Ragi thriving. Coffee prospects poor. Health good.

By Order,

C. RANGACHARLU,
Revenue Secretary.

Mysore Government Press, Bangalore.—1880.

Prices Current of Food Grains in the Provinces of Mysore and Coorg during the Fortnight ending 15th July 1880.

QUANTITY PER RUPEE BY THE STANDARD SEERS OF 80 TOLAS, *vide* GOVERNMENT OF INDIA NO. 1—21, DATED 10TH FEBRUARY 1874.

Fortnight ending—15th July 1880.

No.	Districts.	Shops.	Wheat.			Barley.			Rice, best sort.			Rice, common.			Great Millet, (Jola, Javar) *Holcus Sorghum.*			Bulrush Millet, (Kambu, Bajra) *Penicillaria Spicata.*			Lesser Millets, Ragi, &c., (Kavaru, Varagu, Save, China, Koralu, Marwa, Nagli, &c.) *Panicum Miliaceum, Eleusine, Coracana, &c.*			Gram.			Firewood.			Salt.		
			Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.
			seers, chittaks	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.
1	Bangalore.	Wholesale.	8 13	9 4	6 7	9 9	10 0	8 3	10 11	10 12	9 11	12 1	12 0	11 0	22 5	21 12	18 6	...	...	...	28 8	28 2	22 10	29 4	29 8	18 8	...	...	...	10 12	10 12	11 4
		Retail.	8 5	8 12	6 3	9 1	9 7	7 15	10 4	10 3	9 7	11 9	11 8	10 12	21 5	20 14	17 11	...	...	...	27 8	27 2	22 1	28 3	28 12	18 3	84 0	78 0	84 0	10 0	10 0	11 0
2	Kolar. ...	Wholesale.	...	...	...	7 10	7 10	6 0	11 13	12 1	11 0	14 15	14 15	12 8	...	...	...	32 10	32 10	27 15	29 2	28 2	22 15	34 8	34 8	20 12	...	...	...	11 5	11 5	11 5
		Retail.	...	...	...	7 6	7 6	5 12	11 9	11 13	10 12	14 10	14 10	12 4	...	...	...	32 6	32 6	27 12	28 14	27 14	22 10	34 3	34 3	20 7	172 6	172 6	172 4	11 1	11 1	11 1
3	Túmkúr ...	Wholesale.	6 8	6 8	7 0	9 0	9 0	6 8	12 8	12 8	8 11	13 8	13 8	12 8	...	...	...	...	...	...	34 0	34 0	15 4	34 0	34 0	20 0	360 0	360 0	140 0	9 8	9 8	9 0
		Retail.	6 0	6 0	6 8	8 8	8 8	6 0	12 0	12 0	11 0	13 0	13 0	12 0	...	...	...	...	...	...	33 0	33 0	14 8	33 0	33 0	19 0	340 0	340 0	130 0	9 0	9 0	8 0
4	Mysore ...	Wholesale.	7 4	7 0	4 4	...	...	...	11 8	11 8	10 0	12 6	12 6	10 4	...	33 8	...	...	...	...	31 0	31 0	23 8	30 4	31 0	21 0	81 0	81 0	84 0	7 4	8 0	7 12
		Retail.	7 0	6 12	4 0	...	...	...	11 5	11 5	9 12	12 2	12 2	10 0	...	33 5	...	...	...	...	30 12	30 0	23 0	30 0	30 9	20 0	78 0	78 0	78 0	7 0	7 12	7 8
5	Hassan ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Retail.	9 0	9 8	5 0	9 0	10 0	6 0	13 0	12 0	10 0	14 0	12 8	11 0	...	...	...	...	...	...	30 0	26 0	22 0	30 0	28 0	20 0	800 0	800 0	128 0	7 0	7 0	7 8
6	Shimoga ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Retail.	6 13	6 9	4 7	8 6	7 6	5 4	12 10	12 10	10 8	14 11	13 11	12 9	25 3	25 3	18 14	...	...	...	33 1	35 2	30 15	22 1	22 1	16 4	480 0	480 0	480 0	8 6	8 6	7 5
7	Kadur ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Retail.	10 0	9 0	5 0	...	...	...	12 0	11 8	11 0	15 0	15 0	13 0	...	...	...	...	...	...	25 0	25 0	24 0	23 0	23 0	15 0	60 0	60 0	60 0	9 0	9 0	9 0
8	Chitaldroog.	Wholesale.	9 0	10 0	5 4	10 0	11 0	6 4	12 0	12 0	11 0	14 0	13 0	13 0	33 0	39 0	18 0	33 0	33 0	20 0	36 0	38 1	27 10	29 0	29 0	17 8	100 0	100 0	100 0	9 0	9 0	9 0
		Retail.	9 0	9 0	5 0	10 0	10 0	6 0	11 0	11 0	10 0	13 0	12 0	12 0	32 0	38 0	17 0	32 0	32 0	20 0	35 0	38 0	27 5	28 0	28 0	17 0	100 0	100 0	100 0	9 0	8 0	8 0
	Average ...	Wholesale.	7 14	8 3	5 12	9 1	9 6	6 6	12 11	11 11	12 10	13 6	13 3	11 14	27 10	31 7	18 3	32 13	32 13	24 0	31 12	31 14	22 6	31 6	31 10	19 9	180 5	180 5	108 0	9 9	9 11	9 11
		Retail.	8 0	7 15	5 3	8 11	8 12	6 2	11 11	11 9	10 1	13 8	13 1	11 11	26 3	29 5	17 14	32 3	32 3	23 14	30 6	30 4	23 5	28 9	28 7	18 4	264 5	263 9	154 0	8 13	8 12	8 11
	Coorg ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
		Retail.	6 0	5 13	5 9	6 9	6 4	5 6	10 6	10 8	9 0	14 13	15 13	13 1	...	...	...	...	...	...	27 14	28 7	25 0	23 5	23 9	18 0	110 0	110 0	110 0	8 3	8 4	4 8

MYSORE CHIEF COMMISSIONER'S OFFICE,
BANGALORE, 29th *July* 1880.

By Order,
C. RANGACHARLU,
Revenue Secretary.

Mysore Government Press, Bangalore.—1880.

SUPPLEMENT TO THE

MYSORE GAZETTE.

No. 31 Published by Authority. of 1880.

BANGALORE, SATURDAY, AUGUST 7, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 31st July 1880.

Bangalore District.—One inch, 63 cents of rain at Bangalore. Crops in good condition. Prospects favorable. Public health generally good. Price of rice fallen; that of ragi stationary.

Kolar District.—Ninety-nine cents of rain at Kolar. Dry crops in good condition in some parts, and withering where the rain-fall has been deficient. Most of the tanks are still empty. Prospects somewhat hopeful. Fever and murrain still prevalent. Prices slightly fallen.

Túmkúr District.—Fifty-one cents of rain at Túmkúr. Standing young crops in good condition, except in some parts of the District where they are withering for want of rain particularly in the Sira and Maddagiri Taluks. Prospects of season fair. Health good.

Mysore District.—Twenty-seven and half cents of rain at Mysore. Standing crops in good condition. Prospects of season and public health good. Prices stationary.

Hassan District.—Seventy-four cents of rain at Hassan. Crops in good condition, except in the Taluks of Channaraypatna, Nagamangala and Haranhalli, where they are withering from want of rain. Paddy is being transplanted in some taluks. Prospects favorable. Public health satisfactory. Cattle disease prevalent in all taluks except Belur. Prices stationary.

Shimoga District.—Eighty-two cents of rain at Shimoga. Standing crops in good condition. Sowing of dry crops still continues. The arecanut crop suffers from rot. Prospects of season and public health good, but fever and bowel complaints are prevalent. Cattle still suffer from murrain. Prices stationary.

Kadur District.—Twenty-three cents of rain at Chikmagalur. Crops in good condition. Prospects of season and public health good, but fever prevalent in parts of the Banavar and Tarikere Taluks. Cattle disease prevalent in some parts of the Tarikere and Chikmagalur Taluks. Prices stationary.

Chitaldroog District.—Ninety-five cents of rain at Chitaldroog. Crops in good condition. Sowing is still continued. Prospects good. Fever prevailed in some parts of the District. Cattle suffer from murrain in the Dodéri Taluk. Prices stationary.

Coorg.—Rain-fall 9 inches, 33 cents. Transplanting rice continues. Ragi thriving. Coffee prospects poor. Health good.

By Order,

C. RANGACHARLU,
Revenue Secretary.

PROVINCE OF MYSORE.

Rain-fall and Season Report for the month of April 1880.

No.	Districts.	Total Rain-fall in all the Taluks of the District.				Particulars of supply of water by rain to tanks.				Kandayam Lands newly taken up for cultivation and for which Razinamas have been tendered.								Seeds sown in April 1880.	State of Crops in April 1880.	Crops harvested in April 1880.
						No. of tanks supplied with water.		No. of tanks not supplied with water.		Kandayam of lands newly taken up for cultivation.				Kandayam of lands for which Razinamas have been tendered.						
		In April 1879.		In April 1880.		In April 1879.	In April 1880.	In April 1879.	In April 1880.	In April 1879.			In April 1880.			In April 1879.	In April 1880.			
		I.	C.	I.	C.	No.	No.	No.	No.	Rs.	A.	P.	Rs.	A.	P.	Rs. A. P.	Rs.	A.	P.			
1	Bangalore...	1	9	9	56	...	13	1,750	1,737	2,131	2	3	1,497	6	9	17,305 2 10	37,219	11	11	Sugar-cane.	Good.	Vaisak crop.
2	Kolar ..	0	0	5	15	...	...	3,367	3,367	691	10	0	372	10	2	46,861 3 0	49,799	5	3	Nil.	Vaisak paddy and sugar-cane in pretty good condition.	Vaisak paddy and ground-nuts.
3	Túmkúr ..	1	66	8	61	...	...	1,340	1,340	2,104	8	8	3,962	10	8	56,788 6 3	50,092	8	0	Paddy in Chiknayakanhalli, sugar-cane in Sira.	Fair.	Vaisak paddy.
4	Mysore ...	18	6	33	1½	...	39	1,228	1,189	113	8	10	337	0	0	6,584 5 10	8,235	7	8	Javari, sesamum, castor-oil seeds and ragi.	Good	Cotton in Talkad, sugar-cane in Mandya.
5	Hassan ...	6	41	20	61	...	2,610	2,931	321	466	6	6	2,628	4	4	19,141 6 7	7,680	10	10	Gid ragi, paddy and javari sugar-cane and oil-seeds.	Ditto.	Vaisak paddy in Hassan & Belur.
6	Shimoga ...	4	99¾	15	41	...	...	4,868	4,865	1,224	12	0	5,681	4	0	14,245 8 0	14,883	11	10	Paddy in Sorab, Nagar and Kaledurga.	Sugar-cane, black and green-gram and Vaisak paddy good.	Vaisak paddy in Nagar.
7	Kadur ...	3	76	16	18½	...	...	3,080	3,080	252	4	7	1,020	12	3	6,437 15 2	4,170	8	0	Paddy in Chikmagalur and Múdgere, gid ragi in Chikmagalur.	Sugar-cane, coffee and paddy good.	Nil
8	Chitaldroog	2	25	10	80	...	2	999	997	1,420	12	0	2,936	10	0	31,154 10 0	20,900	14	10	Sugar-cane in Davangere.	Paddy and sugar-cane good.	Wheat, Bengal-gram, cotton and paddy.
	Total.....	38	22¾	119	34	1,319	2,664	19,563	16,896	8,405		10	18,436	10	2	1,98,518 9 8	1,92,982	14	4			

Dated 2nd August 1880.

By Order,
T. SRINIVASAIENGAR,
For Revenue Secretary

Mysore Government Press, Bangalore—1880.

SUPPLEMENT TO THE

MYSORE GAZETTE.

No. 32 Published by Authority. of 1880.

BANGALORE, SATURDAY, AUGUST 14, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 7th August 1880.

Bangalore District.—Two cents of rain at Bangalore. Crops in good condition. Prospects fair. Public health generally good, but fever and ague prevalent in parts. Prices risen.

Kolar District.—Twelve cents of rain at Kolar. Standing crops withering in many parts from want of rain. Most of the tanks are empty. Prospects uncertain. Fever and murrain continue. Price of rice slightly risen.

Túmkúr District.—Fifty-one cents of rain at Túmkúr. The young crops are withering in many places from want of rain. Prospects not improved. Health good.

Mysore District.—Fifty-four cents of rain at Mysore. The cholam crop is ready for the sickle, and sesamum is being reaped. Prospects of season and public health good. Prices fluctuating.

Hassan District.—Thirty-three cents of rain at Hassan. Crops in the Channaraypatna, Nagamangala and Haranhalli Taluks are withering from the want of rain. Paddy is being transplanted in the Manjarabad Taluk, where continuous rain-fall has injured the coffee trees. Prospects of season and public health good, but fever prevalent in parts of the District. Cattle disease on the increase in some taluks and abating in others. The Taluks of Arkalgúd and Belur were free from the disease. Prices stationary.

Shimoga District.—Eighty cents of rain at the District Head-quarters. Crops generally in good condition, but in the Maidan portions of the Honnali Taluk they are fading, and sowing operations therein are retarded from want of rain. Arecanut gardens suffer from "kole-roga" or rot. Prospects good. Fever and dysentery prevalent in parts. Cattle disease prevalent in 4 taluks. The want of fodder is felt in the Honnali Taluk. Prices stationary.

Kadur District.—Fifty-four cents of rain at Chikmagalur. Crops in good condition. Prospects of season and public health generally good, but fever still prevalent in parts. Prices stationary.

Chitaldroog District.—Sixteen cents of rain at District Head-quarters. Crops healthy, except in parts of the Dodéri and Hiriyur Taluks, where they are in want of rain. Prospects of season fair. Health good; severe fever prevalent in the town of Hiriyur. Murrain prevalent in the Dodéri and Hiriyur Taluks. Prices stationary.

Coorg.—Rain-fall 9 inches, 4 cents at Mercara. Transplanting rice continued. Ragi damaged by continued rain. Coffee prospects poor. Health good.

By Order,

C. RANGACHARLU,
Revenue Secretary.

Mysore Government Press, Bangalore.—1880.

SUPPLEMENT TO THE

MYSORE GAZETTE.

No. 33 Published by Authority. of 1880.

BANGALORE, SATURDAY, AUGUST 21, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 14th August 1880.

Bangalore District.—Four inches 1 cent of rain at Bangalore. Crops in good condition. Prospects favorable. Public health good. Prices slightly fallen.

Kolar District.—Three inches, 38 cents rain at Kolar. The rain-fall has done much good to the standing dry crops which are in good condition. Kartik paddy cultivation is being carried on. Some of the tanks have received a small supply of water. Prospects of season hopeful. Public health generally good. Cattle disease abating. Prices fallen.

Túmkúr District.—One inch 68 cents of rain at Túmkúr. Rain fell in all Taluks except in Honnavalli and the crops are generally doing well. In the Honnavalli Taluk however the standing crops are withering, and in some places no seeds have yet been sown. Prospects favorable. Public health good.

Mysore District.—Two inches 39 cents of rain at Mysore. Crops in good condition. Cholam being harvested. Prospects of season very good. Public health good. Prices stationary.

Hassan District.—One inch 49 cents of rain at Hassan. The recent showers have enabled ryots in Channaraypatna, Nagamangala and Haranhalli Taluks, to sow ragi. Transplanting of paddy is still continued in the Manjarabad Taluk. Prospects favorable. Public health good except in the Haranhalli and Hassan Taluks where fever and ague still prevail. Cattle disease abating. Prices stationary.

Shimoga District.—Forty-five cents of rain fell at Shimoga. Standing crops in fair condition generally; but the paddy crop in the Shimoga and Shikarpur Taluks need more rain. Arecanut suffers from rot in some taluks. Prospects fair. Fever and bowel-complaints prevalent. Murrain still continues. Prices stationary.

Kadur District.—Nine cents of rain at District head-quarters. Crops in good condition. Prospects of season and public health good. Cattle disease prevalent in parts of the Chikmagalur Taluk. Prices stationary.

Chitaldroog District.—Fifty-five cents of rain at Chitaldroog. Crops in a healthy condition, but more rain required. Prospects fair. Public health good. Cattle disease prevalent in parts of the Chitaldroog and Dodéri Taluks. Prices of ragi risen.

Coorg.—Rain-fall at Mercara 2 inches 8 cents. Transplanting of rice progressing. Too much rain for ragi crop. Coffee prospects poor. Health generally good.

By Order,

C. RANGACHARLU,
Revenue Secretary.

Prices Current of Food Grains in the Provinces of Mysore and Coorg during the Fortnight ending 31st July 1880.

QUANTITY PER RUPEE BY THE STANDARD SEERS OF 80 TOLAS, *vide* GOVERNMENT OF INDIA NO. 1—21, DATED 10TH FEBRUARY 1874.

No.	Districts.	Shops	Wheat.			Barley.			Rice, best sort.			Rice, common.			Great Millet, (jola, javar) *Holcus Sorghum.*			Bulrush Millet, (kambu, bajra) *Penicillaria Spicata.*			Lesser Millets, Ragi, &c., (kavaru, varagu, save, china, koralu, marwa, nagli, &c.) *Panicum Miliaceum, Eleusine, Coracana, &c.*			Gram.			Firewood.			Salt.		
			Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.
			secrs, chittals	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.
1	Bangalore.	Wholesale.	9 ...	8 13	6 9	9 8	9 9	8 5	11 2	10 11	10 0	12 7	12 1	11 8	25 0	22 5	18 8	...	...	...	28 2	28 8	23 6	29 12	29 4	18 9	...	...	...	10 12	10 12	11 8
		Retail.	8 7	8 5	6 5	9 0	9 1	8 1	10 9	10 4	9 12	11 14	11 9	11 4	24 0	21 5	17 14	...	...	...	27 2	27 8	22 11	28 11	28 3	18 2	84 0	84 0	78 0	10 0	10 0	11 0
2	Kolar. ...	Wholesale.	... ...	... ...	... ...	7 10	7 10	6 12	12 1	11 13	11 4	14 6	14 15	12 12	... ...	... ...	... ...	32 10	32 10	30 12	29 2	29 2	26 0	34 8	34 8	20 12	... ...	... ...	... ...	11 5	11 5	11 9
		Retail.	... ...	... ...	... ...	7 6	7 6	6 8	11 13	11 9	11 0	14 2	14 10	12 8	... ...	... ...	... ...	32 6	32 6	30 8	28 14	28 14	25 12	34 3	34 3	20 7	172 6	172 6	172 4	11 1	11 1	11 5
3	Túmkúr ...	Wholesale.	6 8	6 8	7 4	9 0	9 0	6 8	12 8	12 8	12 0	13 8	13 8	12 8	... ...	... ...	... ...	... ...	... ...	... ...	34 0	34 0	15 12	34 0	34 0	21 0	360 0	360 0	140 0	9 8	9 8	9 0
		Retail.	6 0	6 0	6 12	8 8	8 8	6 0	12 0	12 0	11 8	13 0	13 0	12 0	... ...	... ...	... ...	... ...	... ...	... ...	33 0	33 0	15 0	33 0	33 0	20 0	340 0	340 0	130 0	9 0	9 0	8 0
4	Mysore ...	Wholesale.	7 4	7 4	4 4	... ...	... ...	... ...	11 4	11 8	8 10	11 8	12 6	11 4	32 8	... ...	25 8	... ...	... ...	... ...	30 12	31 0	26 8	32 4	30 4	21 8	81 0	81 0	81 0	7 4	7 4	8 8
		Retail.	7 0	7 0	4 0	... ...	... ...	... ...	11 0	11 5	10 8	11 4	12 2	11 0	32 4	... ...	25 0	... ...	... ...	... ...	30 8	30 12	26 0	32 0	30 0	21 0	78 0	78 0	78 0	7 0	7 0	8 5
5	Hassan ...	Wholesale.	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...
		Retail.	9 0	9 0	5 8	9 0	9 0	6 10	13 0	13 0	10 8	14 0	14 0	11 2	... ...	... ...	... ...	... ...	... ...	... ...	30 0	30 0	22 5	30 0	30 0	22 0	800 0	800 0	125 0	7 0	7 0	7 8
6	Shimoga ...	Wholesale.	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...
		Retail.	6 13	6 13	4 7	8 6	8 6	5 4	12 10	12 10	8 6	14 11	14 11	12 10	25 5	25 3	18 15	... ...	... ...	... ...	33 1	33 1	30 15	22 1	22 1	16 12	480 0	480 0	480 0	8 6	8 6	7 5
7	Kadur ...	Wholesale.	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...
		Retail.	10 0	10 0	5 0	... ...	... ...	... ...	12 0	12 0	12 0	15 0	15 0	14 0	... ...	... ...	... ...	... ...	... ...	... ...	25 0	25 0	24 0	23 0	23 0	18 0	60 0	60 0	60 0	9 0	9 0	9 0
8	Chitaldroog.	Wholesale.	10 0	9 0	5 8	11 0	10 0	6 4	12 0	12 0	11 0	13 0	14 0	13 0	33 0	33 0	17 0	33 0	33 0	25 0	38 8	36 0	28 0	29 0	29 0	17 0	100 0	100 0	100 0	10 0	9 0	8 8
		Retail.	9 0	9 0	5 0	10 0	10 0	6 0	11 0	11 0	10 0	12 0	13 0	12 0	32 0	32 0	16 7	32 0	32 0	24 6	38 0	35 0	27 5	28 0	28 0	16 7	100 0	100 0	100 0	9 0	9 0	8 0
	Average ...	Wholesale.	8 3	7 14	5 14	9 4	9 1	6 15	11 13	11 11	11 0	12 15	13 6	12 3	30 3	27 10	20 5	32 13	32 13	27 14	32 2	31 12	23 15	31 14	31 6	19 12	180 5	180 5	107 0	9 12	9 9	9 13
		Retail.	8 1	8 0	5 5	8 11	8 11	6 6	11 12	11 11	10 7	13 4	13 8	12 1	28 6	26 3	19 9	32 3	32 3	27 7	30 11	30 6	24 4	28 14	28 9	19 1	264 5	264 5	152 14	8 13	8 13	8 13
	Coorg ...	Wholesale.	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...	... ...
		Retail.	6 0	6 0	5 3	6 11	6 9	5 5	10 4	10 6	9 0	15 8	14 13	13 7	... ...	... ...	... ...	... ...	... ...	... ...	31 3	27 14	26 5	24 12	23 5	19 11	110 0	110 0	110 0	8 5	8 3	8 2

MYSORE CHIEF COMMISSIONER'S OFFICE,
BANGALORE, 13*th August* 1880.

By Order,
C. RANGACHARLU,
Revenue Secretary.

Mysore Government Press, Bangalore.—1880.

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SUPPLEMENT TO THE

MYSORE GAZETTE.

No. 34 Published by Authority. of 1880

BANGALORE, SATURDAY, AUGUST 28, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 21st August 1880.

Bangalore District.—Six inches 91 cents of rain at Bangalore. Crops in good condition. Prospects favorable. Public health good. Price of rice slightly risen.

Kolar District.—Nine cents of rain at Kolar. Standing dry crops in good condition. More rain needed. Prospects hopeful. Public health good. Cattle disease abating. Prices slightly risen.

Túmkúr District.—Eight cents of rain at Túmkúr, 3½ inches at Kunigal and none in other taluks. In the Sira and Maddagiri Taluks the young crops are in a very backward condition. Sowing in these taluks has not yet been completed. Prospects of season indifferent. Public health good.

Mysore District.—Harvesting of jolam continues. Prospects very good. Public health good. Prices stationary.

Hassan District.—Two inches 26 cents of rain at Hassan. Heavy rain fell in the Nagamangala Taluk which injured 2 large tanks and swept away 2 bridges on the Bangalore road. Crops in good condition. Jola is being reaped in the Nagamangala Taluk and green-gram in Narsipur. Prospects hopeful. Public health good except in parts of Hassan and Haranhalli Taluks. Cattle disease is more or less prevalent in the District.

Shimoga District.—Twelve cents of rain at Shimoga. In the Malnad Taluks crops are in good condition; in the Maidan they are withering from want of rain, and field work is in a backward state. Rot continues to prevail in arecanut gardens. Prospects not very good. Fever and bowel-complaints prevalent. Cattle still suffer from murrain. Price of rice risen.

Kadur District.—One inch 1 cent of rain at Chikmagalur. Crops in good condition. Prospects of season generally good, but want of rain is felt in the Maidan taluks. Public health generally good. Cattle disease prevalent in parts of the Chikmagalur and Tarikere Taluks. Price of rice fallen.

Chitaldroog District.—Twenty-four cents of rain at Chitaldroog. Light showers fell in all the taluks. More rain wanted. Crops in good condition. Prospects fair. Fever prevailed in parts of the District; as also murrain among cattle. Price of ragi fallen.

Coorg.—Rain-fall 1 inch 42 cents. Rice and ragi look well. Coffee prospects poor. Health fair.

By Order,

C. RANGACHARLU,
Revenue Secretary.

PROVINCE OF MYSORE.

Rain-fall and Season Report for the month of May 1880.

Districts.	Total Rain-fall in all the Taluks of the District.				Particulars of supply of water by rain to tanks.				Kandayam Lands newly taken up for cultivation and for which Razinamas have been tendered.								Seeds sown in May 1880.	State of Crops in May 1880.	Crops harvested in May 1880.
					No. of tanks supplied with water.		No. of tanks not supplied with water.		Kandayam of lands newly taken up for cultivation.				Kandayam of lands for which Razinamas have been tendered.						
	In May 1879.		In May 1880.		In May 1879.	In May 1880.	In May 1879.	In May 1880.	In May 1879.			In May 1880.			In May 1879.		In May 1880.			
	I.	C.	I.	C.	No.	No.	No.	No.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	
ngalore...	34	39	47	74	462	895	1,238	855	505	9	6	1,535	9	3	1,024	11	7	193	1	9	Punaji paddy, sesamum and harka.	Good.	Vaisak paddy.
lar ...	62	72	57	18½	1,960	800	1,407	2,557	537	9	10	403	14	5	0	0	0	0	0	0	Sesamum, harka, sajjé, ground-nuts and oil-seeds.	Good in some places and indifferent in others owing to want of water.	Nil.
nkúr ..	32	85½	30	53	573	673	762	667	3,531	14	9	3,552	10	11	763	6	0	1,238	11	0	Black and green-gram, javari and sesamum.	Nil.	Vaisak, paddy in Túmkúr, Koratagere, Maddagiri and Kadaba.
sore ...	43	91½	87	2½	784	1,104	444	124	237	15	3	249	1	1	0	0	0	0	0	0	Ragi, sesamum, paddy, tuvar, harka, javari, black and green-gram.	Good.	Cotton in Talkad.
san ...	63	72	50	2½	2,931	2,610	...	321	835	11	6	2,092	3	6	0	0	0	0	0	0	Gid ragi, tuvar, paddy, javari, oil-seeds, green and black gram.	Paddy, ragi, coffee and sugar-cane good.	Vaisak paddy in Manjarabad, sugar-cane in Attikuppi.
moga ...	93	86	21	59½	4,076	260	815	4,605	3,191	6	0	4,685	4	0	3,039	4	0	3,444	14	0	Paddy.	Paddy, sugar-cane good.	Nil.
lur ...	65	25	27	49	1,538	516	1,542	2,564	881	10	4	1,666	13	3	8,653	15	0	3,194	7	3	Paddy, ragi, green and black-gram, gingelly and javari.	Sugar-cane, paddy, coffee and javari good.	Nil.
taldroog	62	72	24	96	746	362	253	637	2,638	4	0	1,790	4	0	1,396	2	0	3,313	13	6	Javari in Hiriyur, green gram in Budihal.	Sugar-cane, paddy, navane and javari good.	Paddy and javari in Dodéri, Budihal and Pavagada.
tal.....	459	43⅛	346	74½	13,075	7,220	6,511	12,340	12,360	1	2	15,975	12	5	14,877	6	7	11,384	15	6			

Dated 21st August 1880.

By Order,
T. SRINIVASAIENGAR,
For Revenue Secretary.

Mysore Government Press, Bangalore—1880.

SUPPLEMENT TO THE

MYSORE GAZETTE.

No. 35 Published by Authority. of 1880.

BANGALORE, SATURDAY, SEPTEMBER 4, 1880.

COFFEE LEAF DISEASE.

PRELIMINARY REPORT BY THE GOVERNMENT CRYPTOGAMIST.

The DIRECTOR, Royal Botanic Gardens, To the Hon. the COLONIAL SECRETARY.

No. 30. Royal Botanic Garden,
Peradeniya, 15th June 1880

SIR,—I HAVE the honor to forward a Preliminary Report on the coffee-leaf disease by Mr. H. Marshall Ward, the Cryptogamist attached to this establishment.

In this report he gives an outline of some of the results attained during the fou months which have elapsed since his arrival in the Colony.

I have carefully read the document, and have also naturally been conversant with a considerable part of Mr. Ward's researches, and it is with much satisfaction that I have noted the solid method of his procedure, and the sure basis he has laid for further progress. I would especially call attention to the *character* of his work, which is that of pure investigation followed out with a single eye to the elucidation of the difficult problem placed before him.

An important point to be attended to is the isolation of *Hemileia* from several other fungi growing upon coffee, as until this is accurately and fully effected it is of course impossible to follow out the whole course and duration of its life, its modes of nutrition and propagation, and the circumstances favorable or otherwise to its growth. The work necessary for this is mainly microscopical, and during its prosecution some important new facts of structure have, it will be seen, been elucidated, and thus definite progress has been made. There is, of course, yet much to be learnt before the complete life and character of *Hemileia* is ascertained, but enough is now known to shew that, apart from its disastrous effects, it is a plant of remarkable botanical interest.

The bearing of these new observations upon the practical question of meeting the ravages of leaf-disease is very close. It would however be to play the part of an empiric rather than of a wise physician to prescribe a remedy before a complete diagnosis is made out. No speculations are, I am glad to notice, advanced in this report, and I know that nothing is stated in it which has not been subjected to severe and repeated tests, and which may not therefore be regarded as fairly established. The acquirement of knowledge step by step is the only satisfactory progress in enquiries of this description, and I would ear-

nestly ask those who are so materially interested in the pest, to be patient in their criticism of this first instalment of what is and must be a scientific investigation, to be followed out in the scientific method, and, avoiding hasty conclusions on incomplete data to continue to afford their valuable assistance in the enquiry.

All that has as yet come under my observation in connection with Mr. Ward's work has further aided to convince me that he is fully justified in regarding the disease, so far as it is connected with *Hemileia*, as without doubt wholly the result of an extraneous parasitic organism, which though it penetrates into the spaces between the leaf-cells of the coffee must yet be regarded as essentially distinct, separable from and external to its tissues.

I am, &c.,

HENRY TRIMEN.
Director.

The CRYPTOGAMIST, To the Hon. the COLONIAL SECRETARY.

Preliminary Report on the enquiry into Coffee Leaf-disease.

Peradeniya, June 12th, 1880.

SIR,—I HAVE the honor to report that, in accordance with the terms of my engagement, I have been occupied since arriving in Ceylon in February last with observations and experiments upon "coffee leaf-disease."

It is proposed to confine this preliminary report to a statement of observed facts, especially as several of these are new; nevertheless much has been accomplished on the estates, in the way of comparing what is already known, and in acquiring further information as to the nature of leaf-disease, its distribution and treatment. The true interests of the planters will be, however, best served by a future and more extended report on these matters.

Having made myself acquainted with the literature already published, and obtained as much information as possible on the subject, I at once proceeded to further practical acquaintance with "leaf-disease," and commenced a microscopical analysis of the coffee plant in health and disease; this has been continued hitherto in various parts of the coffee districts. Specimens have been obtained from all elevations, and from the most various situations, soils and climates that the districts afford.

I also placed myself in communication with representative planters for the purpose of obtaining further information, and made some preliminary experiments with reference to suggestions obtained, in order to test the value of various observations as to the nature of "leaf-disease."

On March 15th, a tour through the chief districts in the southern and eastern parts of the Central Province was commenced. I made observations on various estates in Hantane, Nilambe, Hewahetta, Pussellawe, Ramboda, Maturata, Uda Pusselawa, Ambagamuwa, Dikoya, Dimbulla, Badulla, Madulsima, Hewa-eliya and Haputale.

Two objects were kept in view during these journeys: (1) to gather as much information as possible concerning coffee, its cultivation, its appearance in health and disease, and the experience of planters as to remedial measures; (2) to investigate the pathology of "leaf-disease," and the life-history of *Hemileia vastatrix* under the various conditions afforded by differences of soil, altitude, climate, &c.

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During the whole time were kept up as continuously as possible the researches commenced at Peradeniya, and no opportunity was lost in verifying or correcting observations. I carried microscopic and drawing apparatus everywhere, and, as always, carefully figured any objects of importance to the enquiry. A large series of drawings and notes was thus accumulated for future guidance as new lines of research are opened up.

On my return, experiments were at once commenced to determine certain points suggested by the experience gained. These are still proceeding and yielding results. Meanwhile it is my duty to bring some examples forward, as illustrating and warranting the conclusions so far arrived at.

(1)—Several beds of Jamaica coffee seedlings in the Peradeniya gardens appeared quite healthy on February 10th, 1880; each seedling was about eight inches high, and bore six or eight pairs of leaves. Specimens were selected, and microscopically examined: nothing shewed that the internal structure was abnormal, or that they were functionally wanting in any way.

Twenty-four of these seedlings were potted off in baked earth, and removed for future experiments. To windward of the beds, and separated from them by an ordinary gravel path, were several old coffee-trees, eight to ten feet high and badly diseased. The open verandah in which the selected plants had been placed also lay to the leeward of a quantity of old and diseased trees, separated by many yards of garden.

During each day following, the leaves of specimens from both beds and pots were examined: on the lowermost leaves were found a few scattered and ill-defined spores and tubes evidently of fungoid nature, as well as delicate threads of spiders' web, particles of sand, &c. The uppermost leaves shewed no such growths.

On February 20th, the first yellow path was observed on the lower side of a lowermost leaf of one of the exposed plants: during successive days several more patches appeared, always on the older or lower leaves, and in a month all the beds contained badly diseased specimens. By this time, also, the selected specimens had become diseased—chiefly on the "seed leaves" (cotyledons.)

The most careful examination failed to shew the disease spots on any other part of the seedling than these older leaves; and even in the leaf stalk no fungus or other abnormal structure was observable, and to all appearance the root and stem were in perfect health.

(2)—Specimens of disease patches in all stages were selected from the above plants. Some were very small, hardly yellow "pin-spots," only seen when held up to the light: others older, larger, and more oily-looking: still older ones were covered below with the yellow or orange "rust": while yet further advanced, irregular patches presented brown or black blotches in the central part, the yellow powder being at the edges.

The microscope establishes the following facts, and I have confirmed the observations since by examination of specimens from all parts of the coffee districts, at various elevations and seasons.

Thin slices of the "pin-spots" and pale yellow patches, taken in all directions, and examined fresh or treated with chemical reagents, shew that this part of the leaf has the passages between its cells which lead to the exterior blocked up with a much-branched, tubular, coral-like mycelium: the short stumpy branches applying themselves here and there in their course to the outside walls of the cells. The contents of the tubes are very granular and oily, usually colored by a pigment varying from yellow to deep orange-red.

The older patches present similar features exaggerated, but the branched tubes of the mycelium have sent peculiar groups of processes outwards through the outlets (stomata) of the epidermis: on reaching the exterior, the ends of these branches form swellings which soon become filled with deep orange-colored pigment and granules, and the groups of bodies seen from above present the appearance of rosettes. Since these bodies are easily rubbed off, they form a powdery mass on the outside the so-called "rust."

Similar examination of the brown or black central blotches shews that the leaf cells have lost most of their contents, turned brown and collapsed: thus the upper and lower surfaces come closer together, and such parts are thinner than the rest of the leaf. Usually, a number of black dots are seen on the upper and lower surfaces.

There can be no doubt that the tubular, branched mycelium has been feeding upon the contents of the leaf cells, turning the green coloring matter and other substances into the granular and oily masses found within it and finally passing forth into the bodies forming the "rust"-powder; and when we reflect upon the immense quantities of matter thus derived and thrown off from the leaves, we may understand in some measure the terrible effect produced upon the coffee plant.

(3)—Some of the yellow "rust" was placed in water on a glass slide and examined under the microscope. Each "grain" of the powder is a hollow case, somewhat kidney-shaped in longitudinal section, and triangular, with one angle downwards, in transverse section: it is narrower at the end attached to the mycelium. The upper curved side is studded with papillæ or wart-like projections of its outer colorless coat: the two smooth sides converge below to a rounded longitudinal ridge. Such a figure exhibits various forms if projected in different positions. As said, this papillate body has granular, orange-colored contents.

Many of them soon swell in water, and become filled with globules of clear fluid (vacuoles) from the equal and rapid imbibition of water: the papillate body now appears as if filled with spherical clearer bodies embedded in the colored mass. These globules are not always equal in size, but generally are nearly so, and average $\frac{1}{10}$ to $\frac{1}{8}$ the diameter of the whole mass: not only by their appearance, refusal to absorb staining reagents, and general behaviour, but by the fact that they can be made to disappear and reappear am I convinced of their fluid nature.

Others of the papillate bodies, however, do not fill with globules; but swell, and soon lose their reddish color, and the contents become very granular and grey looking. After a time, varying from a few hours to a much longer period, the granules, which are very minute and numerous, pass into a state of violent motion to and fro in the fluid contents of the papillate body. This motion is too active to be merely physical, and has been observed too often to be accidental. After remaining in this state for some hours, the granules pass out into the surrounding water, and become widely distributed, leaving the empty papillate case behind: their ultimate fate is not yet satisfactorily established.

A piece of leaf, with "rust" on it, was exposed to sunlight, and was found to become paler. Examination shewed that the majority of the papillate bodies had lost their contents, and remained as empty colorless cases: the further history of the contents has not been yet ascertained.

On February 22nd, during an observation on the moist papillate bodies, several of them were found to have emitted tubular processes from one to four points of the circumference: these tubes are continuations of the inner coat, and the colored contents pass into them. Further observations have shewn that one tube usually grows to a great

length, its cavity is continuous, and no partitions form across it, it takes a curved and even coiled course, and sends out many short branches at frequent intervals: the diameter of the tube is about $\frac{1}{5}$ the breadth of the papillate body. A streaming of the contents is often seen, and the colored matter passes gradually into the ends of the branches. From the above facts it is inferred that the papillate bodies are *spores*, which in certain circumstances germinate and produce a tubular mycelium: further facts are mentioned hereafter.

The minute black dots on the dark parts of old patches are found to contain multitudes of very small hyaline spores, budded off from the ends of delicate filaments which are matted together into a hollow case beneath the epidermis: the cavity becomes filled with the spores. These facts are here mentioned because the black points are so universal—they are not yet known to have anything in common with the above phenomena beyond what has been now stated.

(4)—On March 22nd, the peculiar appearance presented by certain patches of "rust" obtained from "Inverness" estate, was shewn to be due to a different kind of body from the papillate spores. The "rust" spots appeared pink, rather than orange-colored, and were of a pasty rather than powdery character. Among the clusters of papillate spores, the microscope shewed certain bodies of little more than half the size, quite smooth, crowded with red granular matter, and of a shape somewhat like a turnip or peg-top: each was on a narrow stalk, and many had a central boss on the top. These are not to be confounded with immature papillate spores.

Associated with the same external features, I have since rediscovered these bodies at various places and times *e. g.*, Maturata (March 25th), Ambagamuwa (April 5th), Peradeniya (May and June), and extended observations have elicited the following information:—

From the top, opposite the stalked end, a stiff tubular prolongation of the turnip-shaped body is sent up: the colored contents pass in, and when it has reached a length equal to six or eight times that of the original body four partitions have cut the tube into as many chambers. From each chamber, a delicate lateral branch is sent forth, which at once buds off a small globule at its tip: this globule receives the colored contents, falls off, and persists, while the rest dies. Here, again, I think we are justified in concluding that the turnip-shaped body is a spore: that on germination it produces a short tubular, septate mycelium, whence small spores of another kind (*conidia*) are budded off—such cases of different kinds of reproductive bodies are well known to all mycologists.

The small globular spores have been made to germinate, but died at an early stage in all cases from the attacks of introduced organisms (*Bacteria Torulæ*) &c., which are so troublesome in these experiments.

(5)—The question what becomes of the long and curled tubes emitted by the papillate spores has been followed up with more success lately. The following facts have been obtained by growing the spores on the under side of thin glass squares, so arranged as to form the roof of a small cell kept moist by wet blotting paper: various contrivances to avoid the introduction of foreign fungi need not here be detailed.

Having attained a considerable length, all the coloring matter, &c., passes along a branch, and a pear-shaped swelling is formed at its end: this receives all the contents, a septum forms for the first time, and we have a swollen reddish body separated off from the empty tube and spore, which shortly die off.

This colored body has been seen to send out branches. A number of rather large hyaline motile bodies (zoospores) generally make their appearance, and two of these have been seen to fuse. The connection between these various facts demands further enquiry.

(6)—Besides numerous examinations in Peradeniya, no opportunity was lost during my journeys to study the vegetable forms which appear on the exterior of coffee: in all, I have drawings of about a dozen different kinds of spore or of filamentous growths common on the leaves. Of these, several are obviously blown by the wind on to the leaves; some germinate freely while others do not appear to do so, while one or two have been traced to common forms abundant everywhere.

It is not proposed to describe here the various spores met with. Obviously, while it will be necessary to trace the origin and destination of each form until we are either sure it is foreign or is connected with "leaf-disease," the kind of enquiry thus instituted presents no ordinary difficulties; until we are quite satisfied as to which of the filaments, if any, belongs to *Hemileia*, we are in the dark respecting one phase of its life-history, and until we know the whole of its life-history remedial measures are premature.

(7)—Numerous attempts to directly infect coffee plants with "leaf-disease" have as yet failed. I may select the following from a multitude of examples as to methods adopted.

1.—Papillate spores were sown on the under side of a young leaf, covered with a glass cell, and placed in various positions, temperatures, and dry or moist atmospheres.

2.—Similar sowings were made on thin slices of coffee leaf kept moist in glass cells: some in water, others in various solutions.

3.—Sections of "disease-spots" were treated as above to try and induce the mycelium to spread from the leaf passages, either on to other slices or on to the coffee leaf.

4.—Several of the spores found on the coffee leaf have been sown as above. The chief cause of failure here has been the unavoidable introduction of other forms which increase so rapidly as to destroy the selected ones before their normal fate has become indicated.

In drawing any conclusions from these experiments, too much stress cannot be laid upon the fact that however carefully we plan an experiment in the laboratory, we fall short of nature's conditions: further, it must be admitted that until the fate of the various forms found on coffee is ascertained, we may have missed a phase in the life-history of "Hemileia." I am, therefore, pursuing closely the different changes passed through by these spores and their products, and hope to place the results before you in a future report.

In conclusion, I feel justified in drawing these inferences from what has been seen so far. Derived from some source purely external, a fungoid organism finds its way into the passages between the cells of the leaf: here it has a term of existence shewn to the observer by the origin and spread of the yellow "disease spots," caused by the changes in consistence and color of the leaf contents at those places.

The out-break of the yellow "rust" from the leaf-passages, through the stomata takes place when the leaf begins to fail in supplying sap. Such an explanation is in accordance with all the facts yet known to me, and also with the present state of physiology. In seedlings, the cotyledons especially become yellow, and in older plants the lower leaves usually suffer first: on wind-blown ridges, quartz patches and dry soil generally, bad attacks of rust are conspicuous when more sheltered and moist portions of the estate do not appear to be suffering: in sudden dry weather "an attack" commonly comes over an estate, while during the last stages of crop "leaf-disease" is often very bad.

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Now if the mycelium, ramifying among the loose cells of the leaf, is absorbing its food from those cells, as is well-known to be the habit of such parasites, we can see how so much more work is thrown upon the plant. Whereas a leaf normally supplies a certain quantity of elaborated food for the tree in a given time, we have here the same leaf compelled to provide food for tree *and fungus*—its cells must work the harder and its life be the shorter.

Until we fail to account for the ravages of leaf-disease according to known principles we have no right to seek an explanation elsewhere. Many and in some cases elaborate experiments are being planned to establish the important point as to what actually occurs between the fall of the leaf, with its "rust" and mycelium, and the re-appearance of the yellow "pin-spots": I have already indicated the direction in which these are leading, and it only remains to patiently carry on research. When it is remembered that these germinating spores have to be kept under observation during the night as well as day, that all kinds of minute organisms have to be guarded against, and hence that out of many attempts few succeed, I hope that the importance of this plan will be admitted.

In conclusion I must beg to be allowed to thank the planters and other gentlemen who have so kindly and efficiently aided me thus far in what has become to me a labor of love.

I have, &c.,

H. MARSHALL WARD, B. A., Cantab.

Cryptogamist.

SECOND SUPPLEMENT TO THE

MYSORE GAZETTE.

No. 35 Published by Authority. of 1880.

BANGALORE, SATURDAY, SEPTEMBER 4, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 28th August 1880.

Bangalore District.—Twenty-seven cents of rain at Bangalore. Crops in good condition. Prospects fair. Public health good. Price of ragi slightly fallen.

Kolar District.—Nine cents of rain at Kolar. Want of rain is much felt. Standing crops withering in some parts. Prospects uncertain. Public health generally good. Cattle disease abating. Prices stationary.

Túmkúr District.—Rain-fall 27 cents at Túmkúr. Standing dry crops in good condition in some parts, but withering in others from want of rain. Prospects indifferent. Public health good.

Mysore District.—Forty-one cents of rain at Mysore. Standing crops of ragi, togari and paddy doing well. Prospects of season very good. Public health good. Prices stationary.

Hassan District.—Sixty-four cents of rain at Hassan. Crops in good condition, except in the Belur Taluk and in part of the Haranhalli Taluk where they are in a backward state from want of rain. Gid-ragi, sesamum and jola were harvested. Prospects hopeful. Public health good, except in parts of the Hassan and Haranhalli Taluks where ague and fever prevail. Cattle disease still prevalent. Price of rice has risen ; that of ragi remains stationary.

Shimoga District.—Twenty-eight cents of rain at Shimoga. Standing crops much in need of rain, especially paddy, which is withering everywhere except in the Kavaledurga Taluk. Arecanut still suffers from rot in the Malnad taluks. Prospects not favorable. Fever and bowel-complaints prevalent, as well as murrain among cattle. Prices stationary.

Kadur District.—Rain-fall nil. Crops in good condition except in the Kadur and Banavar Taluks, where much ragi land has been left unsown, and the standing dry crops therein withering in many parts. The want of rain is much felt in the Maidan taluks and in Koppa. Prospects good. Public health generally good. Cattle disease prevalent.

Chitaldroog District.—Crops in bad condition owing to the failure of the rains. If no rain falls during the next week, the crops will suffer to a great extent. Prospects unfavorable. Fever prevalent in parts. Prices generally stationary.

Coorg.—Rain-fall 1 inch 42 cents. Rice and ragi doing well. Coffee crop small. Health fair.

By Order,

C. RANGACHARLU,
Revenue Secretary.

Prices Current of Food Grains in the Provinces of Mysore and Coorg during the Fortnight ending 15th August 1880.

QUANTITY PER RUPEE BY THE STANDARD SEERS OF 80 TOLAS: *vide* GOVERNMENT OF INDIA NO. 1—21, DATED 10TH FEBRUARY 1874.

Fortnight ending—	No.	Districts.	Shops	Wheat.			Barley.			Rice, best sort.			Rice, common.			Great Millet, (Jola, Javar) *Holcus Sorghum.*			Bulrush Millet, (Kambu, Bajra) *Penicillaria Spicata.*			Lesser Millets, Ragi, &c., (Kavaru, Varagu, Save, China, Koralu, Marwa, Nagli, &c.) *Panicum Miliaceum, Eleusine, Coracana, &c.*			Gram.			Firewood.			Salt.		
				Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.
				seers. chittaks	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.
15th August 1880.	1	Bangalore.	Wholesale.	8 14	9 0	6 1	9 8	9 8	7 13	10 14	11 2	10 6	12 1	12 7	11 8	22 9	25 0	21 2	...	...	...	...	...	...	27 12	28 2	22 7	30 0	29 12	18 14	...	...	...	10 12	10 12	11 4
			Retail.	8 7	8 7	5 13	9 1	9 0	7 8	10 7	10 9	10 2	11 8	11 14	11 4	21 9	24 0	20 2	...	...	...	...	...	...	26 12	27 2	21 7	29 0	28 11	18 6	78 0	84 0	78 0	10 0	10 0	11 0
	2	Kolar. ...	Wholesale.	...	...	...	7 10	7 10	6 12	11 13	12 1	11 4	14 11	14 6	12 12	...	...	...	32 10	32 10	28 0	29 2	29 2	23 12	34 8	34 8	20 12	...	...	...	11 5	11 5	11 5
			Retail.	...	...	...	7 6	7 6	6 8	11 9	11 13	11 0	14 6	14 2	12 8	...	...	...	32 6	32 6	27 12	28 14	28 14	23 8	34 3	34 3	20 7	172 6	172 6	172 4	11 1	11 1	11 1
	3	Túmkúr ...	Wholesale.	6 8	6 8	7 8	8 8	9 0	6 8	12 8	12 8	12 0	13 8	13 8	12 8	...	...	...	...	...	...	...	...	...	33 0	34 0	15 12	35 0	34 0	21 0	360 0	360 0	140 0	10 0	9 8	9 0
			Retail.	6 0	6 0	7 0	8 0	8 8	6 0	12 0	12 0	11 8	13 0	13 0	12 0	...	...	...	...	...	...	...	...	...	32 0	33 0	15 0	34 0	33 0	20 0	340 0	340 0	130 0	9 8	9 0	8 0
	4	Mysore ...	Wholesale.	7 4	7 4	4 4	...	...	...	11 4	11 4	10 4	12 0	11 8	10 12	33 8	32 8	26 0	...	...	...	...	...	...	30 8	30 12	26 8	30 8	32 4	21 0	81 0	81 0	81 0	7 12	7 4	8 0
			Retail.	7 0	7 0	4 0	...	...	...	11 0	11 0	10 0	11 12	11 4	10 8	33 0	32 4	25 0	...	...	...	...	...	...	30 0	30 8	26 0	30 0	32 0	20 0	78 0	78 0	78 0	7 8	7 0	7 8
	5	Hassan ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Retail.	9 0	9 0	5 0	10 0	9 0	4 8	13 0	13 0	10 0	14 0	14 0	12 0	...	...	...	...	...	...	...	...	...	30 0	30 0	22 0	32 0	30 0	20 0	700 0	800 0	125 0	7 0	7 0	7 8
	6	Shimoga ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Retail.	7 6	6 13	4 7	9 7	8 6	5 4	12 10	12 10	8 6	14 11	14 11	12 10	29 6	25 3	18 14	...	...	...	...	...	...	34 11	33 1	30 7	25 2	22 1	16 13	480 0	480 0	480 0	8 6	8 6	7 6
	7	Kadur ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Retail.	9 0	10 0	5 0	...	...	...	12 0	12 0	10 0	15 0	15 0	14 0	...	...	...	...	...	...	...	...	...	25 0	25 0	22 0	22 0	23 0	18 0	60 0	60 0	60 0	8 0	9 0	9 0
	8	Chitaldroog.	Wholesale.	9 8	10 0	6 0	11 0	11 0	7 0	12 0	12 0	10 4	13 0	13 0	12 4	37 0	33 0	20 0	33 0	33 0	24 8	40 0	38 8	26 10	30 0	29 0	17 0	100 0	100 0	100 0	8 0	0 0	8 0			
			Retail.	9 0	9 0	6 0	10 0	10 0	7 0	11 0	11 0	10 0	12 0	12 0	12 0	36 0	32 0	18 0	32 0	32 0	24 0	39 0	38 0	26 5	29 0	28 0	16 0	100 0	100 0	100 0	8 0	9 0	8 0			
		Average ...	Wholesale.	8 0	8 3	5 15	9 2	9 4	7 0	11 11	11 13	10 15	13 1	12 15	11 15	31 0	30 0	22 6	32 13	32 13	26 4	32 1	32 2	23 0	32 0	31 14	19 12	180 5	180 5	107 0	9 9	9 12	9 8			
			Retail.	8 0	8 1	5 5	9 0	8 11	6 2	11 11	11 12	10 2	13 5	13 4	12 2	30 0	28 6	20 8	32 3	32 3	25 14	30 13	30 11	23 5	29 3	28 14	18 11	251 1	264 5	152 14	8 11	8 13	8 11			
		Coorg ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Retail.	6 0	6 0	5 0	6 14	6 11	5 2	10 14	10 4	8 15	15 14	15 8	13 6	...	...	...	...	...	...	31 9	31 3	27 6	24 14	24 12	20 14	110 0	110 0	110 0	8 3	8 5	0			

MYSORE CHIEF COMMISSIONER'S OFFICE,
BANGALORE, 30*th August* 1880.

By Order,
C. RANGACHARLU,
Revenue Secretary.

Mysore Government Press, Bangalore.—1880.

SUPPLEMENT TO THE

MYSORE GAZETTE

No. 36 Published by Authority. of 1880.

BANGALORE, SATURDAY, SEPTEMBER 11, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 4th September 1880.

Bangalore District.—Ninety-three cents of rain at Bangalore. Crops in good condition. Prospects favorable. Public health good. Prices generally stationary.

Kolar District.—One inch, 68 cents of rain at Kolar. Standing crops are improving. Prospects hopeful. Public health good. Prices fallen.

Túmkúr District.—Sixty-four cents of rain at Túmkúr. Rain fell in all the taluks. Standing crops in good condition. Prospects favorable. Public health good.

Mysore District.—Sixty-two cents of rain at Mysore. Standing crops thriving. Ragi, jolam and sesamum being harvested. Prospects of season very good. Public health good. Prices steady.

Hassan District.—Ninety-seven cents of rain at Hassan. Crops in good condition, except in parts of Haranhalli Taluk, where they are withering from want of rain. Gid-ragi is being harvested and the sowing of horse-gram has commenced. Prospects encouraging. Public health good. Cattle are thriving. Prices generally stationary.

Shimoga District.—Two inches, 37 cents of rain at Shimoga. Standing crops, which were withering, have revived from the seasonable falls of rain. More rain wanted for the paddy crop. Prospects improved. Fever and lung affections on the increase. Cattle still suffer from murrain. Prices generally stationary.

Kadur District.—Ninety-two cents of rain at Chikmagalur. Crops generally in good condition except in the Banavar Taluk, where some are withering from want of rain. Arecanut crop rotting in the Malnad taluks. Prospects generally good, but rain much needed in the Maidan taluks especially Banavar. Public health good. Cattle disease prevalent throughout the District.

Chitaldroog District.—Eighty-seven and half cents of rain at Chitaldroog. Crops have assumed a healthy appearance owing to recent falls of rain. More rain is very much wanted. Prospects not satisfactory. Fever prevalent in parts of the Dodéri and Hiriyur Taluks. Prices fallen.

Coorg.—Rain-fall 2 inches 10 cents. Rice and ragi thriving. Coffee crop small. Health good.

By Order,

C. RANGACHARLU,
Revenue Secretary.

Mysore Government Press, Bangalore.—1880.

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SUPPLEMENT TO THE

MYSORE GAZETTE

No. 37 Published by Authority. of 1880.

BANGALORE, SATURDAY, SEPTEMBER 18, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 11th September 1880.

Bangalore District.—One inch, 16 cents of rain at Bangalore. Crops in good condition. Prospects favorable. Public health good. Price of ragi fallen, that of rice slightly risen.

Kolar District.—Ninety cents of rain at Kolar. Standing crops in good condition. Kartik wet crops have failed. Prospects good as regards dry crops. Public health good. Prices stationary.

Túmkúr District.—One inch, 98 cents of rain at Túmkúr. Standing crops in good condition. Prospects hopeful. Public health good.

Mysore District.—Two inches, 73 cents of rain at Mysore. Standing crops in good condition. Prospects very good. Public health good. Prices stationary.

Hassan District.—Fifty-four cents of rain at Hassan. Crops in good condition. More rain is needed for the paddy crop in the Belur Taluk. Gid-ragi and sugar-cane are being reaped in parts. Prospects favorable. Public health good. Rinderpest has disappeared in the Taluks of Belur, Arkalgúd and Channaraypatna, and has abated in the remaining taluks. Prices stationary.

Shimoga District.—One inch, 35 cents of rain at Shimoga. Standing crops in pretty fair condition. More rain wanted for the paddy crop. Arecanut is reviving from rot. Prospects favorable. Public health bad; fevers and lung affections prevalent. Murrain still prevalent among cattle. Prices stationary.

Kadur District.—One inch, 7 cents of rain at Chikmagalur. Crops in good condition generally. Those in the Banavar Taluk have revived after recent rains and promise well. Transplanting of paddy almost completed. Arecanut crop rotting in the Malnad taluks. Gid ragi harvested in Chikmagalur. Rain fell generally throughout the District. Prospects fair. Public health generally good. Cattle disease still prevalent.

Chitaldroog District.—Two inches, 14 cents of rain at Chitaldroog. Recent rains have saved the withering crops, which are getting into better condition. Prospects somewhat hopeful. Public health good. Cattle disease in parts of the Dodéri and Hiriyur Taluks. Price of ragi risen.

Coorg.—Rain-fall at Mercara 3 inches, 84 cents. Rice thriving. Ragi less promising. Coffee crop small. Health good.

By Order,

C. RANGACHARLU,
Revenue Secretary.

Prices Current of Food Grains in the Provinces of Mysore and Coorg during the Fortnight ending 31st August 1880.

QUANTITY PER RUPEE BY THE STANDARD SEERS OF 80 TOLAS. *vide* GOVERNMENT OF INDIA NO. 1—21. DATED 10TH FEBRUARY 1874.

Fortnight ending—	No.	Districts.	Shops	Wheat.			Barley.			Rice, best sort.			Rice, common.			Great Millet, (jola, javar) *Holcus Sorghum.*			Bulrush Millet, (kambu, bajra) *Penicillaria Spicata.*			Lesser Millets, Ragi, &c., (kavaru, varagu, save, china, koralu, marwa, nagli, &c.) *Panicum Miliaceum, Eleusine, Coracana, &c.*			Gram.			Firewood.			Salt.		
				Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.
31st August 1880.				seers. chittaks.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.
	1	Bangalore.	Wholesale.	9 3	8 14	5 12	9 13	9 8	7 13	11 0	10 14	10 1	12 0	12 1	11 4	20 4	22 9	22 9	...	...	...	29 1	27 12	21 14	29 5	30 0	19 14	...	...	...	10 12	10 12	11 0
			Retail.	8 11	8 7	5 8	9 4	9 1	7 9	10 9	10 7	9 13	11 8	11 8	11 0	23 0	21 9	21 10	...	...	...	20 8	26 12	20 14	28 5	29 0	19 6	78 0	78 0	78 0	10 0	10 0	10 12
	2	Kolar. ...	Wholesale.	...	...	...	7 10	7 10	6 12	12 2	11 13	11 9	14 6	14 11	13 4	...	...	...	32 10	32 10	28 0	29 2	29 2	25 0	34 8	34 8	21 15	...	...	...	11 5	11 5	11 5
			Retail.	...	...	...	7 6	7 6	6 8	11 13	11 9	11 4	14 1	14 6	13 0	...	...	...	32 6	32 6	27 12	28 14	28 14	24 12	34 3	34 3	21 11	172 6	172 6	172 4	11 1	11 1	11 1
	3	Túmkúr ...	Wholesale.	8 8	6 8	7 8	8 8	8 8	5 8	12 8	12 8	12 0	13 8	13 8	12 8	...	...	20 0	...	...	20 0	33 0	33 0	18 1	36 0	35 0	21 0	360 0	360 0	140 0	10 0	10 0	9 8
			Retail.	8 0	6 0	7 0	8 0	8 0	5 0	12 0	12 0	11 8	13 0	13 0	12 0	...	...	19 0	...	...	19 0	32 0	32 0	17 3	35 0	34 0	20 0	340 0	340 0	130 0	9 8	9 8	9 0
	4	Mysore ...	Wholesale.	7 4	7 4	5 12	...	...	...	12 0	11 4	10 12	12 8	12 0	12 2	35 8	33 8	34 0	...	...	...	32 8	30 8	27 0	30 8	30 8	22 0	78 0	81 0	81 0	7 4	7 12	8 4
			Retail.	7 0	7 0	5 8	...	...	...	11 12	11 0	10 8	12 4	11 12	11 14	35 0	33 0	33 0	...	...	...	32 0	30 0	26 8	30 0	30 0	21 12	75 0	78 0	78 0	7 0	7 8	8 0
	5	Hassan ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Retail.	8 8	9 0	5 0	9 0	10 0	6 0	12 8	13 0	10 0	13 8	14 0	10 8	...	...	...	...	...	...	30 0	30 0	21 0	28 0	32 0	19 0	700 0	700 0	124 0	7 0	7 0	7 0
	6	Shimoga ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Retail.	7 6	7 6	4 7	9 7	9 7	5 4	12 10	12 10	8 6	14 11	14 11	12 10	29 6	29 6	18 14	...	...	...	34 10	34 11	33 10	23 2	23 2	18 2	480 0	480 0	480 0	8 6	8 6	7 6
	7	Kadur ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Retail.	9 0	9 0	5 0	...	...	...	12 8	12 0	11 0	15 0	15 0	14 0	...	...	...	...	...	...	24 0	25 0	24 0	20 0	22 0	18 0	60 0	60 0	60 0	8 0	8 0	9 0
	8	Chitaldroog.	Wholesale.	10 0	9 8	6 0	11 0	11 0	7 0	12 0	12 0	10 0	13 0	13 0	13 0	38 0	37 0	19 0	33 0	33 0	20 0	40 0	40 0	23 0	30 0	30 0	17 0	100 0	100 0	100 0	9 0	8 0	8 0
			Retail.	9 0	9 0	6 0	10 0	10 0	7 0	11 0	11 0	10 0	12 0	12 0	12 0	37 0	36 0	18 0	32 0	32 0	19 0	39 0	39 0	22 0	29 0	29 0	16 0	100 0	100 0	100 0	8 0	8 0	8 0
		Average ...	Wholesale.	8 12	8 0	6 4	9 4	9 2	6 12	11 15	11 11	10 14	13 1	13 1	12 7	31 4	31 0	23 14	32 13	32 13	22 11	32 12	32 1	23 0	32 1	32 0	20 6	179 5	180 5	107 0	9 10	9 9	9 10
			Retail.	8 4	8 0	5 8	8 13	9 0	6 3	11 13	11 11	10 5	13 4	13 5	12 2	31 1	30 0	22 2	32 3	32 3	21 15	30 2	30 13	23 12	28 11	29 3	19 4	250 11	251 1	152 12	8 10	8 11	8 12
		Coorg ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Retail.	6 2	6 0	5 0	7 6	6 14	5 2	10 14	10 14	9 0	17 1	15 14	13 7	...	...	...	...	...	...	32 8	31 9	26 14	24 9	24 14	20 8	110 0	110 0	110 0	8 3	8 3	8 1

MYSORE CHIEF COMMISSIONER'S OFFICE,
BANGALORE, 11*th September* 1880.

By Order,
C. RANGACHARLU,
Revenue Secretary.

Mysore Government Press, Bangalore.—1880.

SUPPLEMENT TO THE MYSORE GAZETTE, 1880.

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SUPPLEMENT TO THE

MYSORE GAZETTE.

No. 38 Published by Authority. of 1880.

BANGALORE, SATURDAY, SEPTEMBER 25, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 18th September 1880.

Bangalore District.—One inch, 22 cents of rain at Bangalore. Crops in good condition. Prospects of season fair. Public health good. Price of rice fallen, that of ragi risen.

Kolar District.—Sixty-five cents of rain at Kolar. Standing crops generally in good condition, but rain is wanted for them. Prospects hopeful. Public health good. Prices stationary.

Túmkúr District.—One inch, 56 cents of rain at Túmkúr. Standing crops generally in good condition; more rain needed for dry crops in parts of the Koratagere and Honnavalli Taluks. Prospects of season and public health good.

Mysore District.—Twenty-four cents of rain at Mysore. Standing crops in good condition. Prospects very good. Public health good. Prices stationary.

Hassan District.—Forty cents of rain at Hassan. Crops in good condition. More rain needed for the paddy crops in the Arkalgúd and Belur Taluks. Wheat, paddy, gid-ragi, jola, sugar-cane, &c., were harvested. Prospects hopeful. Public health good. Rinderpest among cattle abating, except in the Kikkeri Hobli of the Attikuppa Taluk where the losses are still heavy. Price of 1st sort rice and of horse-gram fallen; that of 2nd sort rice and horse-gram stationary.

Shimoga District.—One inch, 27 cents of rain at Shimoga. Standing crops in fair condition. The paddy crop is in need of more rain. Garden prospects have greatly improved. Prospects of season encouraging. Public health fair. Cattle still suffer from murrain. Prices stationary.

Kadur District.—Twenty-three cents of rain at District Head-quarters. Rain wanted in parts of the Banavar Taluk. Crops in generally good condition. Rot among arecanut crops still prevalent in the Malnad Taluks. Prospects fair. Public health generally good. Cattle disease prevalent throughout the District.

Chitaldroog District.—Twenty-two cents of rain at Chitaldroog. Crops in good condition, except in the Hosdurga Taluk, where they are fading. Rain is much required. Navane, gram and cotton seeds were sown. Prospects fair. Public health good. No epidemic disease prevailed among cattle. Price of ragi and javari fallen.

Coorg.—Rain-fall 3 inches, 47 cents at Mercara. Rice thriving. Ragi harvest commenced; crop rather short. Coffee crop small. Health good.

By Order,

C. RANGACHARLU,
Revenue Secretary.

PROVINCE OF MYSORE.

Rain-fall and Season Report for the month of June 1880.

Districts.	Total Rain-fall in all the Taluks of the District.				Particulars of supply of water by rain to tanks.				Kandayam Lands newly taken up for cultivation and for which Razinamas have been tendered.								Seeds sown in June 1880.	State of Crops in June 1880.	Crops harvested in June 1880.
					No. of tanks supplied with water.		No. of tanks not supplied with water.		Kandayam of lands newly taken up for cultivation.				Kandayam of lands for which Razinamas have been tendered.						
	In June 1879.		In June 1880.		In June 1879.	In June 1880.	In June 1879.	In June 1880.	In June 1879.			In June 1880.			In June 1879.			In June 1880.			
	I.	C.	I.	C.	No.	No.	No.	No.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.			
galore...	7	20	14	47	309	453	1,441	1,297	1,576	10	11	4,232	1	8	0	0	0	0	0	0	Ragi, ballar, tuvar, and samé.	Good.	Vaisak paddy.
ar ...	11	36	19	27	30	200	3,337	3,167	1,349	10	8	765	6	9	0	0	0	26	13	0	Sajjé, harka, sesamum, ragi, ballar and tuvar.	Good in some places and indifferent in others owing to want of rain.	Nil.
nkúr ..	13	58	22	56	58	339	753	1,001	3,655	7	6	4,668	3	0	28	0	0	16	0	0	Paddy, ragi, tuvar, harka, black and green-gram, samé javari, castor oil-seeds and sugar-cane.	Good.	Vaisak wet crops in Sira, Kunigal and Kadaba.
sore ...	12	75¾	21	43	732	765	496	463	775	5	5	703	5	8	0	0	0	0	0	0	Tuvar, paddy, sugar-cane, ragi, wheat, ballar, harka, &c.	Good.	Black and green gram in Ashtagram and Mandya, sesamum in Mandya.
san ...	36	95	35	76¼	2,931	2,610	...	321	666	15	0	1,471	5	7	0	0	0	0	0	0	Paddy, ragi, ballar, harka, gingelly, tuvar and black gram.	Good.	Vaisak paddy, green and black gram.
moga ...	148	¾	124	47¼	4,844	3,805	47	1,066	2,730	1	0	2,909	9	0	4,069	10	0	3,381	9	4	Paddy, ragi, javari, sesamum, green gram and coriander.	Good.	Nil.
lur ...	81	72	74	41¼	2,968	1,846	112	1,234	2,685	13	11	6,201	10	6	1,753	0	0	12	8	0	Sugar-cane, black and green gram, javari, coriander, paddy, gingelly, navane, ballar, ragi, chillies and oil-seeds.	Good.	Sugar-cane crops are being harvested.
taldroog	10	60¾	28	35¾	753	409	246	590	3,380	7	0	3,843	2	0	0	0	0	31	8	0	Javari, black and green-gram, gingelly, castor oil-seed, ragi, paddy, samé, sajjé, harka, tuvar, navane and baragu.	Good.	No crops harvested during the month.
tal.....	322	17¾	340	73½	13,154	10,427	6,432	9,133	16,829	7	5	24,794	12	2	5,850	10	0	3,468	6	4			

Dated 18*th September* 1880.

By Order,

T. SRINIVASAIENGAR,

For Revenue Secretary.

Mysore Government Press, Bangalore—1880.

SUPPLEMENT TO THE

MYSORE GAZETTE.

No. 39 Published by Authority. of 1880.

BANGALORE, SATURDAY, OCTOBER 2, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 25th September 1880.

Bangalore District.—Crops generally in good condition. Prospects fair. Rain much needed. Public health good, but fever prevalent in parts, also murrain among cattle. Price of rice fallen, and that of ragi stationary.

Kolar District.—Crops withering. Rain very much needed. Most of the tanks are yet empty. Prospects discouraging. Public health good. Prices stationary.

Tumkur District.—Standing crops withering. Rain much wanted. Prospects fair. Public health good.

Mysore District.—Standing crops thriving. Prospects very good. Health good. Prices stationary.

Hassan District.—The crops in the eastern taluks are beginning to suffer from want of rain. Good crops of jola, gid-ragi, coriander, wheat, &c., are being reaped. Prospects fair. Health good, except in Haranhalli where fever prevails. Rinderpest among cattle still prevalent in the Taluks of Hassan, Attikuppa, Narsipur and Haranhalli. Prices stationary.

Shimoga District.—Fifty-five cents of rain at Shimoga. Standing crops in fair condition. The want of more rain for the paddy crop is much felt. Arecanut and cardamoms are being gathered. Prospects of season and public health fair. Murrain on the increase. Prices stationary.

Kadur District.—Crops in good condition, except in parts of the Banavar Taluk, where they are withering from want of rain. Prospects good, except in parts of the Banavar Taluk, where sowing operations are in a very backward state. Rain much needed in this taluk. Health generally good. Cattle disease prevalent. Prices stationary.

Chitaldroog District.—Twenty-seven cents of rain at Chitaldroog. None in other parts of the District. Crops fading in several parts of the District, and in good condition in others. Prospects gloomy. If no rain falls for a week or so, crops will suffer considerably. Public health good, except in the Hiriyur Taluk where fever prevails. Price of ragi and javari has risen.

Coorg.—Rain-fall 96 cents. More rain wanted in some places. Rice generally thriving. Ragi crop short. Coffee crop small. Health good.

By Order,

C. RANGACHARLU,
Revenue Secretary.

Mysore Government Press, Bangalore.—1880.

SUPPLEMENT TO THE

MYSORE GAZETTE.

No. 40 Published by Authority. of 1880.

BANGALORE, SATURDAY, OCTOBER 9, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 2nd October 1880.

Bangalore District.—Seven cents of rain at Bangalore. Crops generally in good condition. Prospects fair. Rain much needed. Public health good. Fever prevalent in parts. Prices risen.

Kolar District.—One inch 67 cents of rain at Kolar. Crops thriving owing to recent fall of rain. More rain needed. Prospects encouraging. Public health good. Prices stationary.

Túmkúr District.—Seventeen cents of rain at Túmkúr. Rain fell in parts of the District. Standing crops doing pretty well except in Koratagere. Prospects of season and public health good.

Mysore District.—Two inches 91 cents of rain at Mysore. Crops in very good condition, and have benefited by recent rains. Prospects of season and public health good. Price of rice fallen slightly; that of ragi is stationary.

Hassan District.—Sixty-five cents of rain at head-quarters. Crops have revived by the recent showers, but more rain is needed in several parts. Gid-ragi was reaped in the Arkalgúd and Attikuppa Taluks. Prospects favorable. Public health good. The price of rice and ragi has risen.

Shimoga District.—Fourteen cents of rain at Shimoga. Standing crops in fair condition. The want of rain much felt. Arecanut and cardamoms being picked. Failure of the paddy crop is apprehended from want of sufficient rain. Prospects fair. Health fairly good. Small-pox has broken out in the Kavaledurga Taluk. Murrain prevalent. Prices stationary.

Kadur District.—Fifty-eight cents of rain at Chikmagalur. Crops in the Málnad in good condition, except in parts of the Múdgere Taluk, where the paddy suffers from "Kâte-roga." Crops in the Maidan are in need of rain. Prospects good, except in the Banavar Taluk. Public health good. Murrain prevalent throughout the District.

Chitaldroog District.—One inch 25 cents of rain at Chitaldroog. Crops in a fading condition, but rain has fallen in parts of the District. Prospects of season somewhat encouraging since the last fall of rain. Fever prevalent in 3 taluks. Small-pox has appeared in the Chitáldroog Taluk. Prices generally stationary.

Coorg.—Rain-fall 1 inch 73 cents. Rice in South Coorg wants rain. Elsewhere flourishing. Ragi crop short. Coffee crop small. Health good.

By Order,

C. RANGACHARLU,
Revenue Secretary.

Prices Current of Food Grains in the Provinces of Mysore and Coorg during the Fortnight ending 15*th September* 1880.

QUANTITY PER RUPEE BY THE STANDARD SEERS OF 80 TOLAS, *vide* GOVERNMENT OF INDIA NO. 1—21, DATED 10TH FEBRUARY 1874.

Fortnight ending—	No.	Districts.	Shops	Wheat.			Barley.			Rice, best sort.			Rice, common.			Great Millet, (jola, javar) *Holcus Sorghum.*			Bulrush Millet, (kambu, bajra) *Penicillaria Spicata.*			Lesser Millets, Ragi, &c., (kavaru, varagu, save, china, koralu, marwa, nagli, &c.) *Panicum Miliaceum, Eleusine, Coracana, &c.*			Gram.			Firewood.			Salt.		
				Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.	Present Fortnight.	Past Fortnight.	Corresponding Fortnight in 1879.
				seers. chittaks.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.	s. c.
15th September 1880.	1	Bangalore.	Wholesale.	9 1	9 3	6 6	9 10	9 13	7 12	10 8	11 0	10 1	11 10	12 0	11 5	21 3	24 0	...	...	...	...	29 5	29 1	22 10	29 5	29 5	19 8	...	...	...	10 12	10 12	10 8
			Retail.	8 9	8 11	6 3	9 2	9 4	7 8	9 15	10 9	9 12	11 2	11 8	11 1	20 4	23 0	...	...	...	...	28 7	28 0	21 10	28 4	28 5	19 1	84 0	78 0	78 0	10 0	10 0	10 4
	2	Kolar.	Wholesale.	...	...	7 6	7 10	7 10	.. ...	10 0	12 2	12 2	14 6	14 6	13 13	...	...	...	32 10	32 10	28 0	29 2	29 2	26 1	34 8	34 8	23 1	...	...	...	11 5	11 5	11 5
			Retail.	...	...	7 2	7 6	7 6	... ...	10 12	11 13	11 13	14 1	14 1	13 9	...	...	...	32 6	32 6	27 12	28 14	28 14	25 13	34 3	34 3	22 13	172 6	172 6	172 4	11 1	11 1	11 1
	3	Túmkúr ...	Wholesale.	8 8	8 8	7 8	8 8	8 5	8 12	8 12	8 12	8 13	0 13	8 13	8 ...	...	...	...	...	...	...	34 0	33 0	16 8	36 0	36 0	22 0	360 0	360 0	140 0	10 0	10 0	10 0
			Retail.	8 0	8 0	7 0	8 0	8 0	5 0	12 0	12 0	12 0	12 8	13 0	13 0	...	...	...	...	...	...	33 0	32 0	15 12	35 0	35 0	21 0	340 0	340 0	130 0	9 8	9 8	9 8
	4	Mysore ...	Wholesale.	7 4	7 4	5 8	... ...	... ...	... ...	11 4	12 0	10 4	12 4	12 8	10 12	... ...	35 8	... ...	... ...	... ...	... ...	32 8	32 8	28 12	30 8	30 8	22 8	78 0	78 0	96 0	7 12	7 4	8 4
			Retail.	7 0	7 0	5 4	... ...	... ...	... ...	11 0	11 12	10 0	12 0	12 4	10 8	... ...	35 0	... ...	... ...	... ...	... ...	32 0	32 0	28 8	30 0	30 0	22 0	75 0	75 0	90 0	7 8	7 0	8 0
	5	Hassan ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Retail.	9 0	8 8	5 0	9 0	9 0	6 0	13 0	12 8	11 0	13 8	13 8	12 0	...	...	...	...	...	...	30 0	30 0	24 0	32 0	28 0	20 0	800 0	700 0	128 0	7 0	7 0	6 2
	6	Shimoga ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Retail.	6 13	7 6	4 7	9 7	9 7	5 4	12 10	12 10	9 7	14 3	14 11	13 10	25 3	29 6	21 0	... ...	... ...	... ...	34 10	34 10	33 1	23 2	23 2	18 14	480 0	480 0	480 0	8 7	8 6	7 14
	7	Kadur ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Retail.	9 0	9 0	4 8	... ...	... ...	... ...	12 0	12 8	11 0	15 0	15 0	14 0	... ...	... ...	... ...	... ...	... ...	... ...	24 0	24 0	24 0	20 0	20 0	18 0	60 0	60 0	60 0	8 0	8 0	9 0
	8	Chitaldroog.	Wholesale.	11 0	10 0	6 0	13 0	11 0	7 0	12 8	12 0	11 0	14 6	13 0	13 0	39 0	38 0	20 0	26 0	33 0	18 0	47 5	40 0	23 0	32 0	30 0	17 0	100 0	100 0	100 0	9 8	9 0	8 0
			Retail.	10 0	9 0	6 0	12 0	10 0	7 0	12 0	11 0	10 0	13 0	12 0	12 0	38 0	37 0	19 0	25 0	32 0	16 0	45 5	39 0	22 0	30 0	29 0	16 0	100 0	100 0	100 0	9 0	8 0	8 0
		Average ...	Wholesale.	8 15	8 12	6 9	9 11	9 4	6 12	11 9	11 15	11 3	13 1	13 1	12 8	30 2	32 8	20 0	29 5	32 13	23 0	34 7	32 12	23 6	32 7	32 1	20 13	179 5	179 5	112 0	9 14	9 10	9 10
			Retail.	8 5	8 4	5 11	9 2	8 13	6 2	11 11	11 13	10 10	13 3	13 4	12 7	27 13	31 1	20 0	28 11	32 3	21 14	32 0	31 1	24 5	29 1	28 11	19 11	263 15	250 11	154 12	8 13	8 10	8 12
		Coorg ...	Wholesale.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
			Retail.	6 9	6 2	5 2	7 7	7 6	5 5	11 2	10 14	9 8	17 11	17 1	14 11	... ...	... ...	... ...	... ...	... ...	... ...	34 4	32 8	29 12	27 2	24 9	21 8	110 0	110 0	110 0	8 4	8 3	7 13

MYSORE CHIEF COMMISSIONER'S OFFICE,
BANGALORE, 7*th October* 1880.

By Order,
C. RANGACHARLU,
Revenue Secretary.

Mysore Government Press, Bangalore.—1880.

SUPPLEMENT TO THE

MYSORE GAZETTE.

No. 41 Published by Authority. of 1880.

BANGALORE, SATURDAY, OCTOBER 16, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 9th October 1880.

Bangalore District.—Two inches 7 cents of rain at Bangalore. Crops generally in good condition. Prospects favorable. Public health good, but fever and ague prevalent in parts. Prices slightly fallen.

Kolar District.—Want of rain felt. Crops withering in parts of the District. Prospects uncertain. Public health good. Prices stationary.

Túmkúr District.—One inch 31 cents of rain at Túmkúr. Rain fell in all the taluks. Standing crops improving. Prospects of season and public health good.

Mysore District.—Sixty-two cents of rain at Mysore. Standing crops thriving. Prospects very good. Public health good. Prices stationary.

Hassan District.—Seven inches 42 cents of rain at Hassan. Recent rains have benefited the crops, which are doing well everywhere. Prospects of season very good. Public health satisfactory. Cattle disease abating. Prices stationary.

Shimoga District.—Fifty-three cents of rain at Shimoga. Dry crops in fair condition. Want of rain much felt in the Honnali Taluk where the crops are withering. Garden prospects good. Arecanut and cardamoms are being picked. Prospects of season and public health fair. Cattle disease very prevalent, and mortality therefrom high. Prices stationary.

Kadur District.—Two inches 36 cents of rain at head-quarters. Crops in good condition generally. Those in the Banavar Taluk have improved, but more rain wanted in this taluk and in the Maidan parts of the District. The arecanut crop is suffering from rot in the Koppa and Lakvalli Taluks. Prospects of season and public health good.

Chitaldroog District.—One inch 22 cents of rain at Chitaldroog. Rain fell in all the taluks, and the crops have generally improved thereby. Prospects of season favorable at present. Health good. Cattle disease prevalent in the Taluks of Chitaldroog, Pavagada and Hiriyur. Price of rice slightly risen.

Coorg.—Rain-fall at Mercara 4 inches 1 cent. Rice thriving. Ragi and coffee crop poor. Health good.

By Order,

T. SRINIVASAIENGAR,
For Revenue Secretary.

Mysore Government Press, Bangalore.—1880.

SUPPLEMENT TO THE

MYSORE GAZETTE.

No. 42 Published by Authority. of 1880.

BANGALORE, SATURDAY, OCTOBER 23, 1880.

OFFICIAL PAPERS.

Abstract of Season or Intermediate Reports for the Week ending 16th October 1880.

Bangalore District.—Ninety-nine cents of rain at Bangalore. Crops in good condition. Prospects very favorable. Health good. Fever prevalent in parts. Prices stationary.

Kolar District.—Twenty-three cents of rain at Kolar. Crops are reviving. Prospects hopeful. Public health good. Prices risen.

Túmkúr District.—Thirty-eight cents of rain at Túmkúr. Slight showers fell in the taluks. Crops in fairly good condition. Prospects good. Health generally good.

Mysore District.—Four inches 45 cents of rain at Mysore. Standing crops flourishing. Prospects of season very good. Public health good. Prices stationary.

Hassan District.—Thirty-five cents of rain at Hassan. Crops in good condition generally; coriander, black-gram, wheat, &c., being reaped in the Haranhalli Taluk, and sugar-cane in Nagamangala. Prospects favorable. Public health good. Cattle disease abating. Prices fallen.

Shimoga District.—Two cents of rain at Shimoga. Rain much wanted, the tanks being still empty. Standing dry crops in fair condition except in the Honnali Taluk where they are withering. Ragi being harvested in some taluks, the out-turn being a 12 anna crop. Arecanut and cardamoms are being picked. Prospects of season not very good. Public health fair. Cattle disease prevalent. Prices stationary.

Kadur District.—Eighty-six cents of rain at Chikmagalur. Crops in good condition generally, but more rain wanted for the paddy crop in parts of the Lakvalli Taluk. Arecanut being picked in the Malnad talúk. Prospects of season and public health good. Cattle disease still prevalent.

Chitaldroog District.—Thirty-five cents of rain at Chitaldroog. Crops thriving, but more rain required. Javari, sajje, navane, and black gram were harvested in parts. Prospects favorable at present. Health good. Cattle disease prevalent in parts. Price of ragi considerably fallen.

Coorg.—Rain-fall at Mercara 59 cents. Rice thriving. Ragi mostly reaped. Crop short. Coffee ripening. Crops small. Health good.

By Order,

T. SRINIVASAIENGAR,
For Revenue Secretary.

Mysore Government Press, Bangalore.—1880.